

Title (en)

HIGH-SPEED ROTARY ATOMIZER WITH AN AIR GUIDE RING

Title (de)

HOCHROTATIONSZERSTÄUBER MIT LENKLUFTRING

Title (fr)

PULVERISATEUR A VITESSE DE ROTATION ELEVEE COMPORTANT UN ANNEAU A AIR DE GUIDAGE

Publication

**EP 1177050 A1 20020206 (DE)**

Application

**EP 99910346 A 19990316**

Priority

EP 9901705 W 19990316

Abstract (en)

[origin: WO0054888A1] The invention relates to a rotary atomizer with a charging possibility from outside. Said rotary atomizer is used to apply conductive varnishes, especially water lacquer, onto a surface of a body to be coated. The rotary atomizer has an air guide ring (13) that is connected to a high voltage potential, and a grounded spray bell (6). The aim of the inventive atomizer is to reduce the risk of discharges. To this end, the ring (13) is connected to the ground potential via a high ohmic resistor (17) so that the ring (13) has a potential that lies between the high voltage potential of electrodes (19) for the charge from outside and the ground potential of the bell (6).

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**B05B 5/053**; **B05B 5/04**

IPC 8 full level

**B05B 5/04** (2006.01); **B05B 5/053** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 0054888A1

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**WO 0054888 A1 20000921**; AU 2933299 A 20001004; CA 2367140 A1 20000921; CA 2367140 C 20070612; DE 59904125 D1 20030227; EP 1177050 A1 20020206; EP 1177050 B1 20030122; ES 2189399 T3 20030701; JP 2002538957 A 20021119; JP 4343445 B2 20091014; KR 100492233 B1 20050531; KR 20020003189 A 20020110; US 2002066809 A1 20020606; US 6565021 B2 20030520

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